9	conducting a CMP polishing step utilizing a polishing slurry that selectively removes said
10	polishing layer as compared to said stop layer;
11	removing portions of said stop layer subsequent to said polishing step.
1	15. (Once amended) A method for controlling the end point of a chemical mechanical
2	polishing (CMP) process of a surface having a plurality of upwardly projected components
3	fabricated thereon, comprising the steps of:
4	depositing a polishing stop layer upon said components, with portions of said stop layer
5	being deposited upon the top surface portions of said components;
6	depositing a polishable layer upon said stop layer, wherein said polishable layer is
7	deposited to a depth that is greater than a projecting height of said components;
8	conducting a CMP polishing step utilizing a polishing slurry that selectively removes said
9	polishing layer as compared to said stop layer; wherein said CMP polishing step is conducted
10	down to said portions of said stop layer that cover said top surface portions of said components;
11	removing said portions of said stop layer that cover said top surface portions of said
12	components.

27. (Once amended) A method for controlling the end point of a chemical mechanical polishing (CMP) process of a substrate surface having a plurality of upwardly projecting components fabricated thereon, comprising the steps of:

depositing a first layer of material upon said substrate, wherein a projecting portion of said first layer of material is deposited on top of said components, and wherein said first layer is deposited to a depth that is less than a projecting height of said components;

- depositing a polishing stop layer upon said first layer of material, with a portion of said
- 8 stop layer being deposited on top of said projecting portions of said first layer;
- 9 depositing a polishable layer on top of said stop layer, wherein portions of said polishable
- layer are deposited on top of said portion of said stop layer that are deposited on top of said
- 11 projecting portions of said first layer;

removing portions of said polishable layer and said stop layer that are deposited on top of said projecting portions of said first layer;

- 14 conducting a CMP polishing step utilizing a polishing slurry that selectively removes said
  15 polishable layer as compared to said stop layer;
- removing said stop layer from said first layer.
  - 1 29. (Once amended) A method for controlling CMP polishing as described in claim 27
  - 2 wherein said stop layer is comprised of a substance selected from the group consisting of
  - 3 tantalum and diamond like carbon (DLC).
    - 30. (Once amended) A method for controlling CMP polishing as described in claim 27
  - wherein said stop layer is formed with a thickness of from 200 to 500 Å.
  - 1 31. (Once amended) A method for controlling CMP polishing as described in claim 27
- 2 wherein said stop layer is comprised of tantalum and is formed with a thickness of approximately
- 3 500 Å.

- 1 33. (Once amended) A method for controlling CMP polishing as described in claim 27
- wherein said stop layer is removed utilizing an ion etching process.
- 34. (Once amended) A method for controlling CMP polishing as described in claim 27
- 2 wherein said stop layer is comprised of tantalum and wherein said stop layer is removed utilizing
- 3 an argon ion etching process.
- 1 35. (Once amended) A method for controlling CMP polishing as described in claim 27
- wherein said stop layer is removed utilizing a CMP process.
- 1 38. (Once amended) A method for controlling CMP polishing as described in claim 27
  - wherein an end stopping point of said CMP process is determined by monitoring a polishing
- 3 motor current during said CMP polishing step.

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